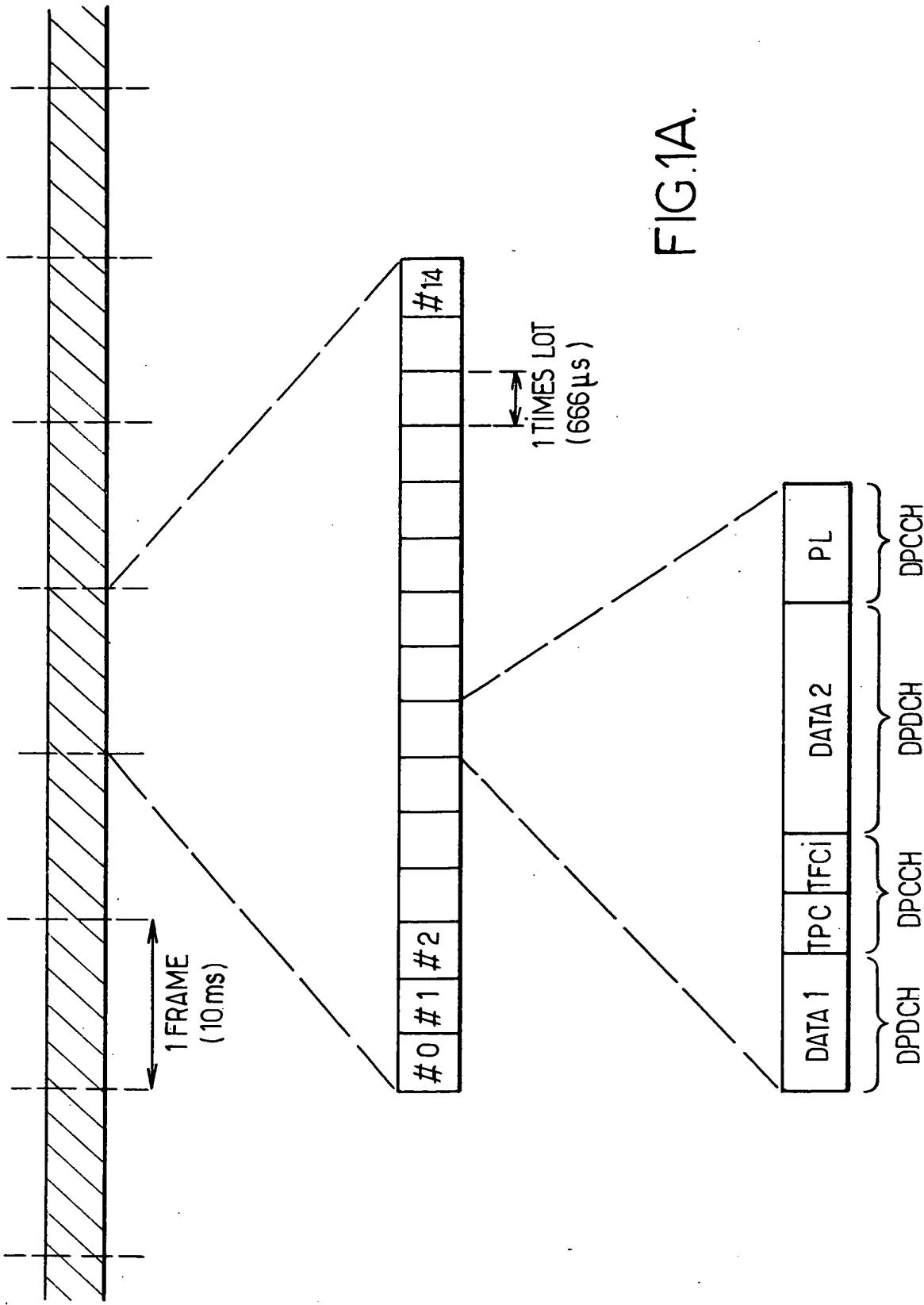
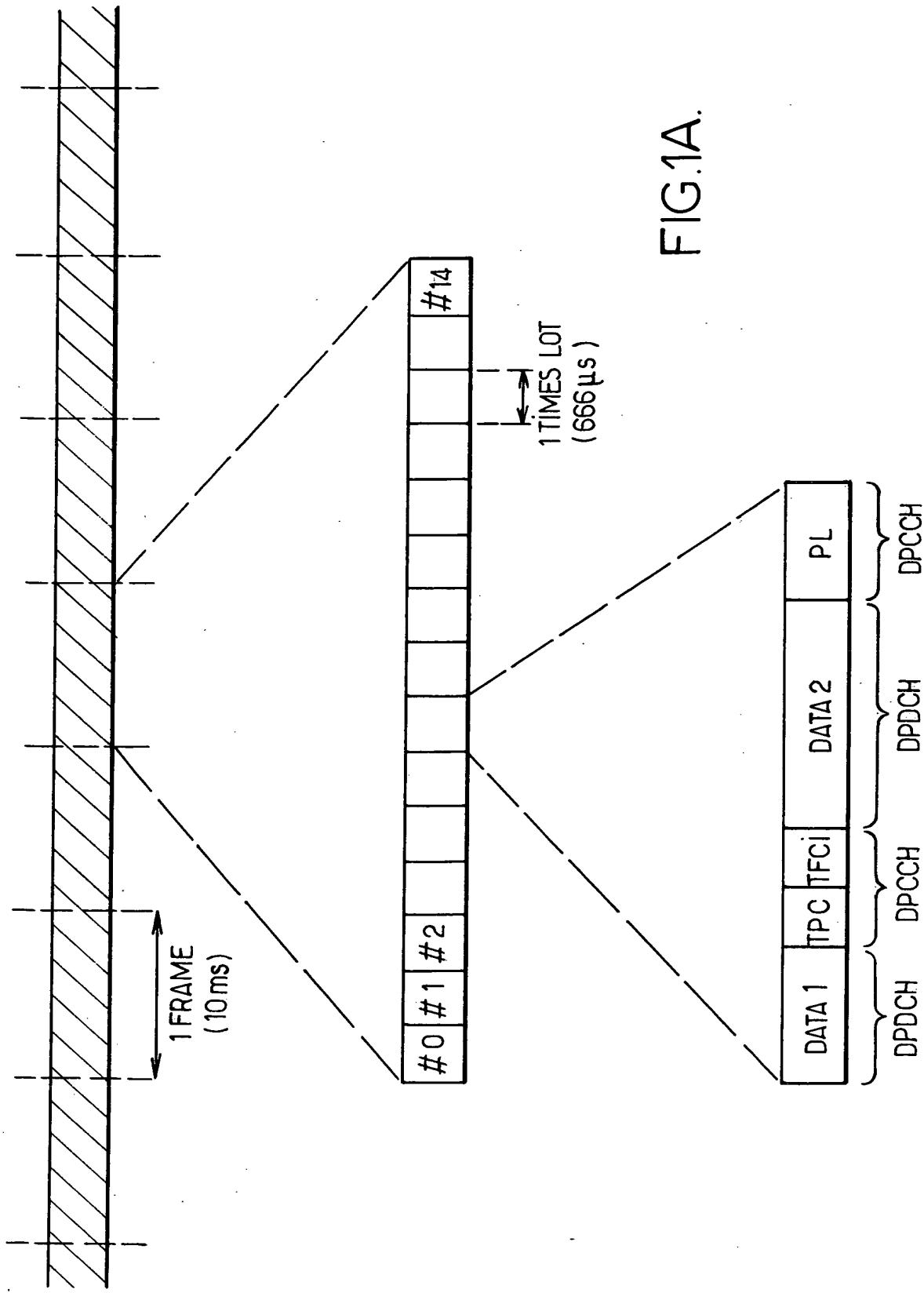


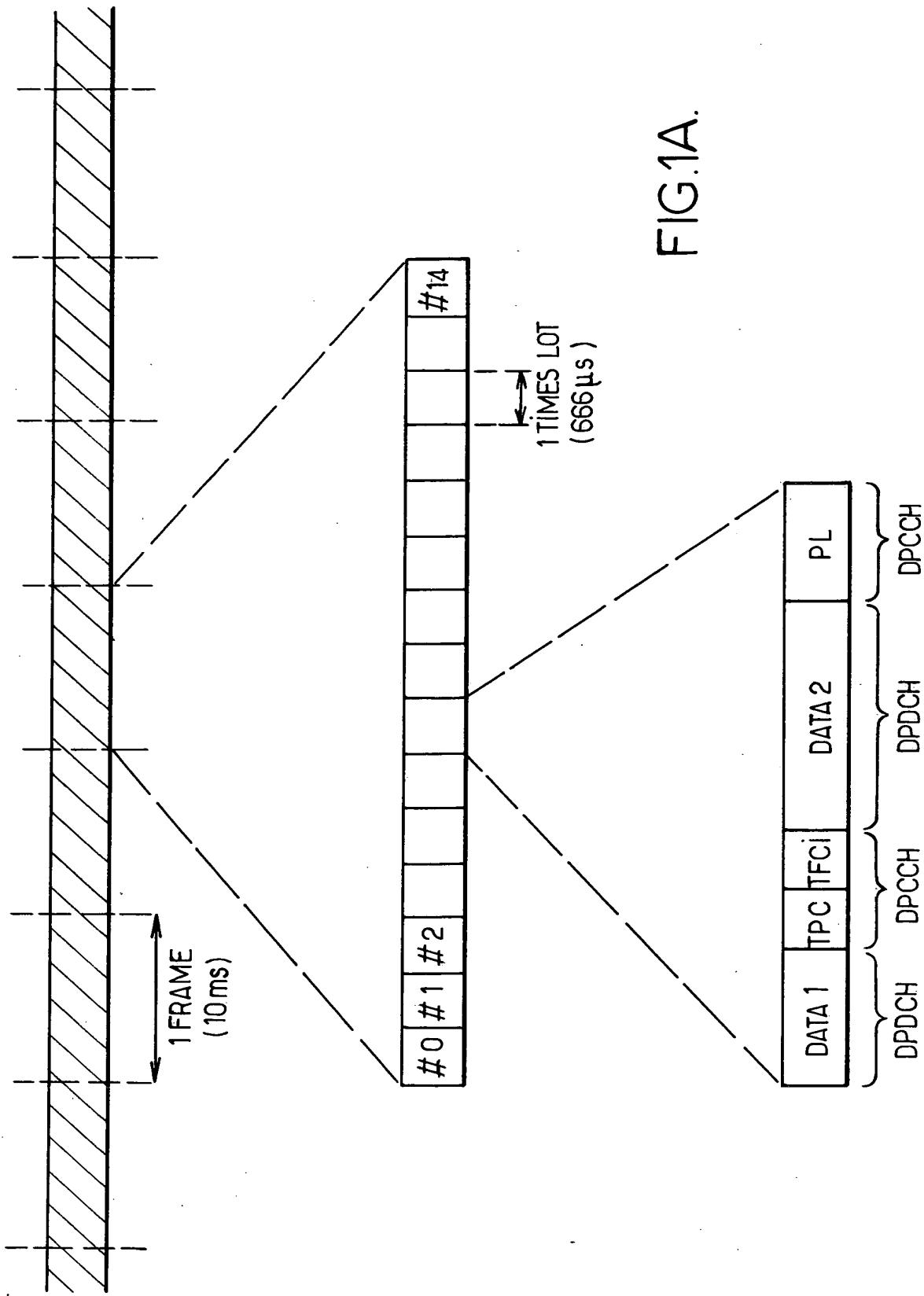
10/519930



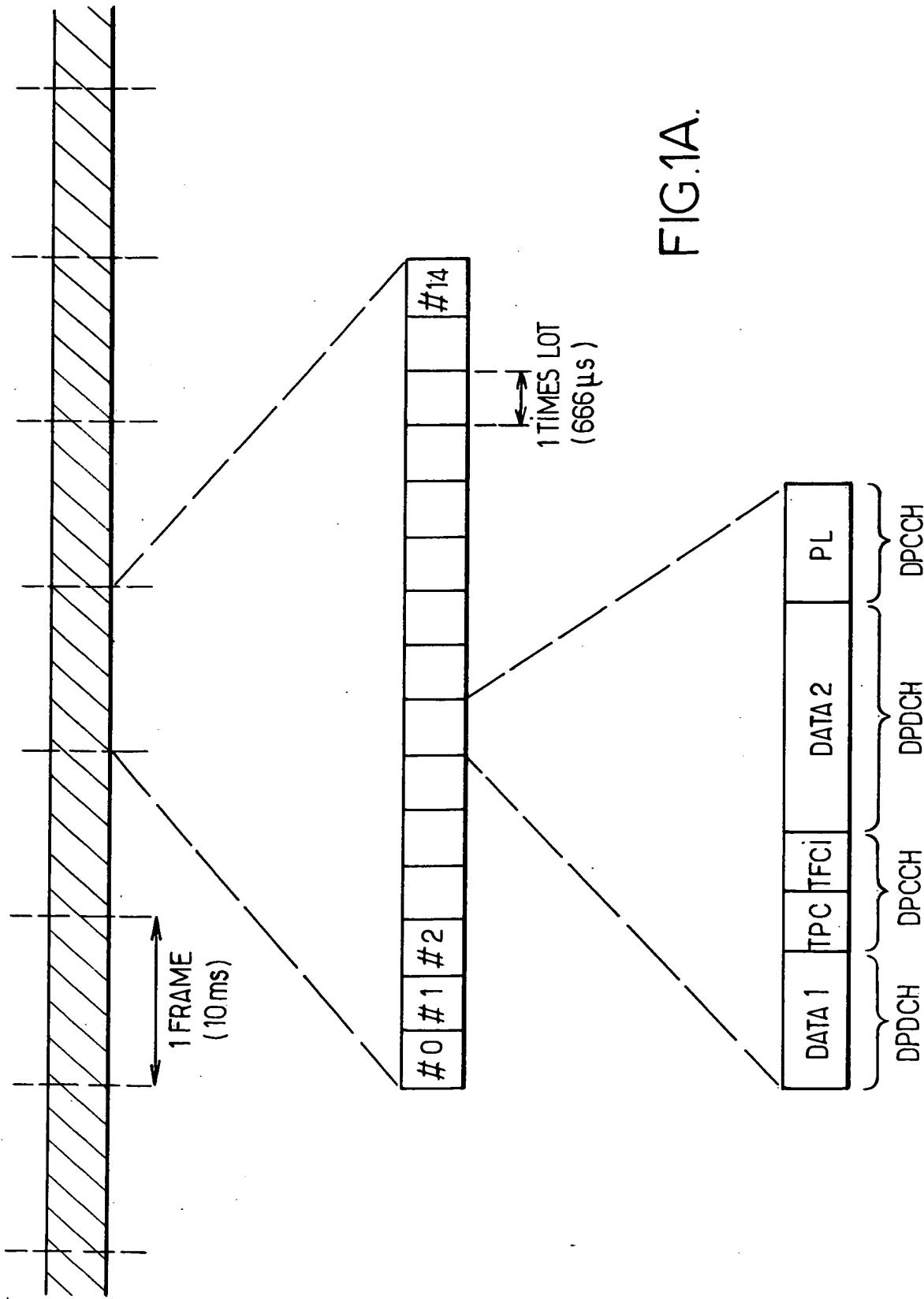
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10/519930

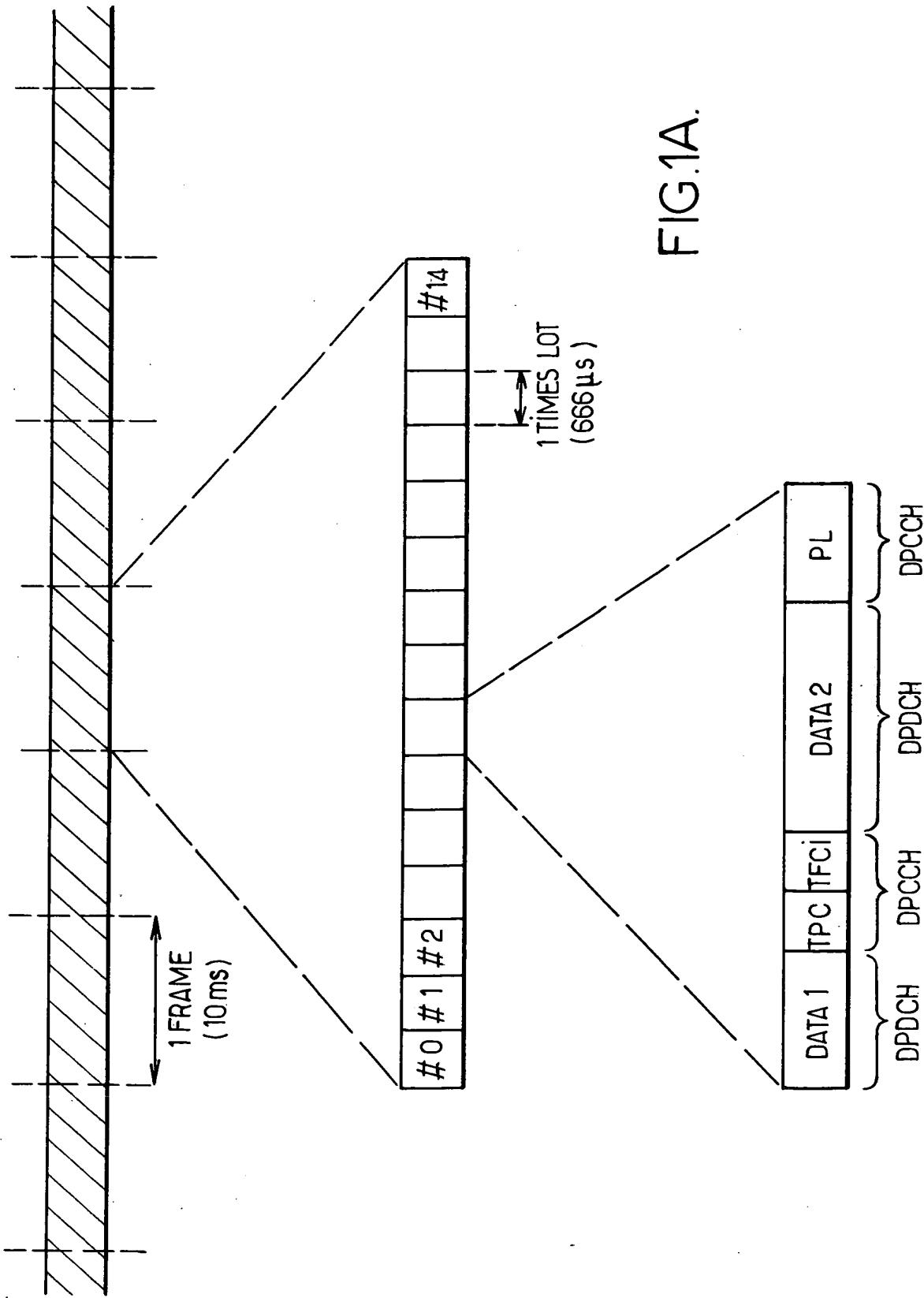


10/519930

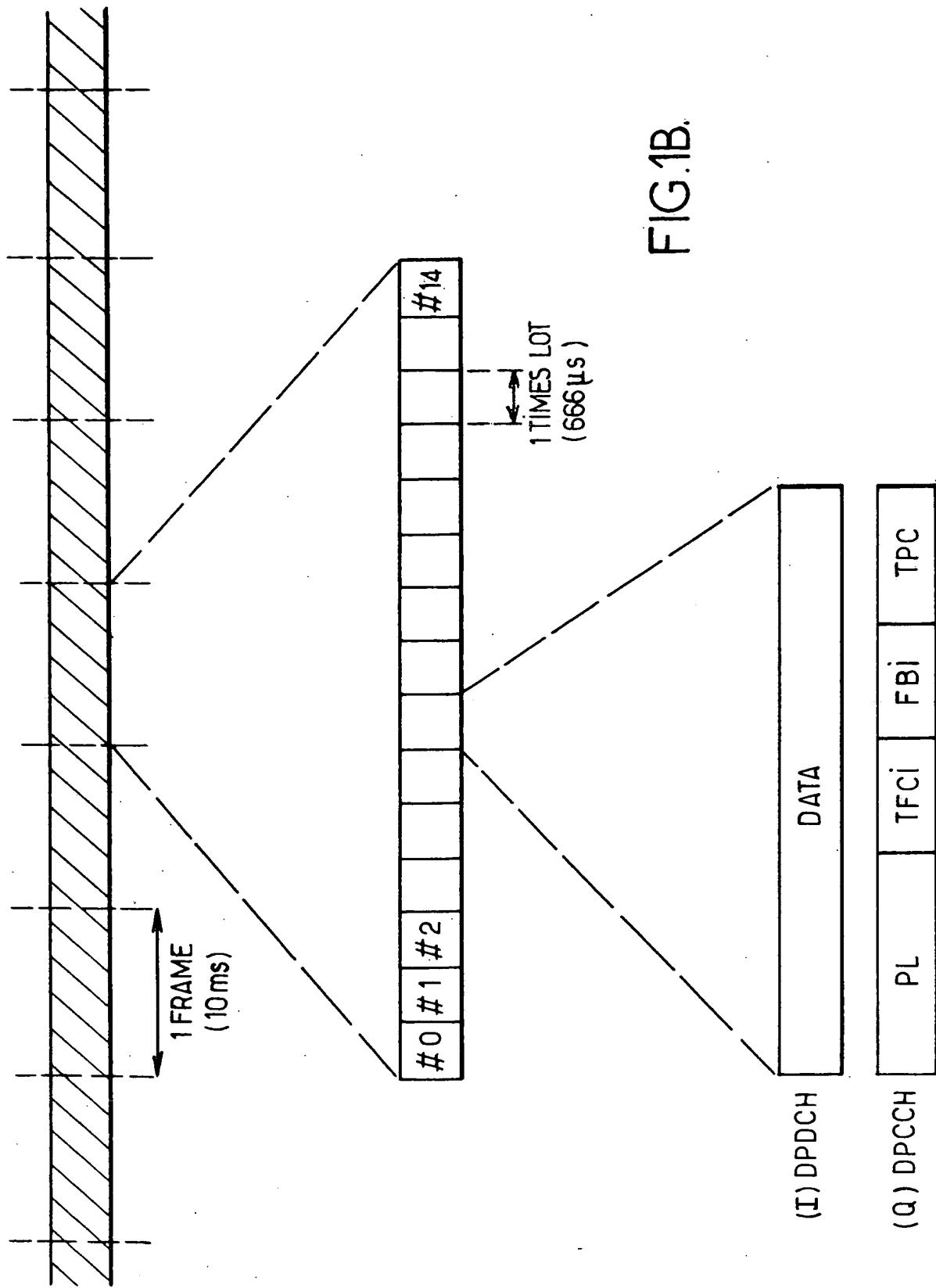


10/519930

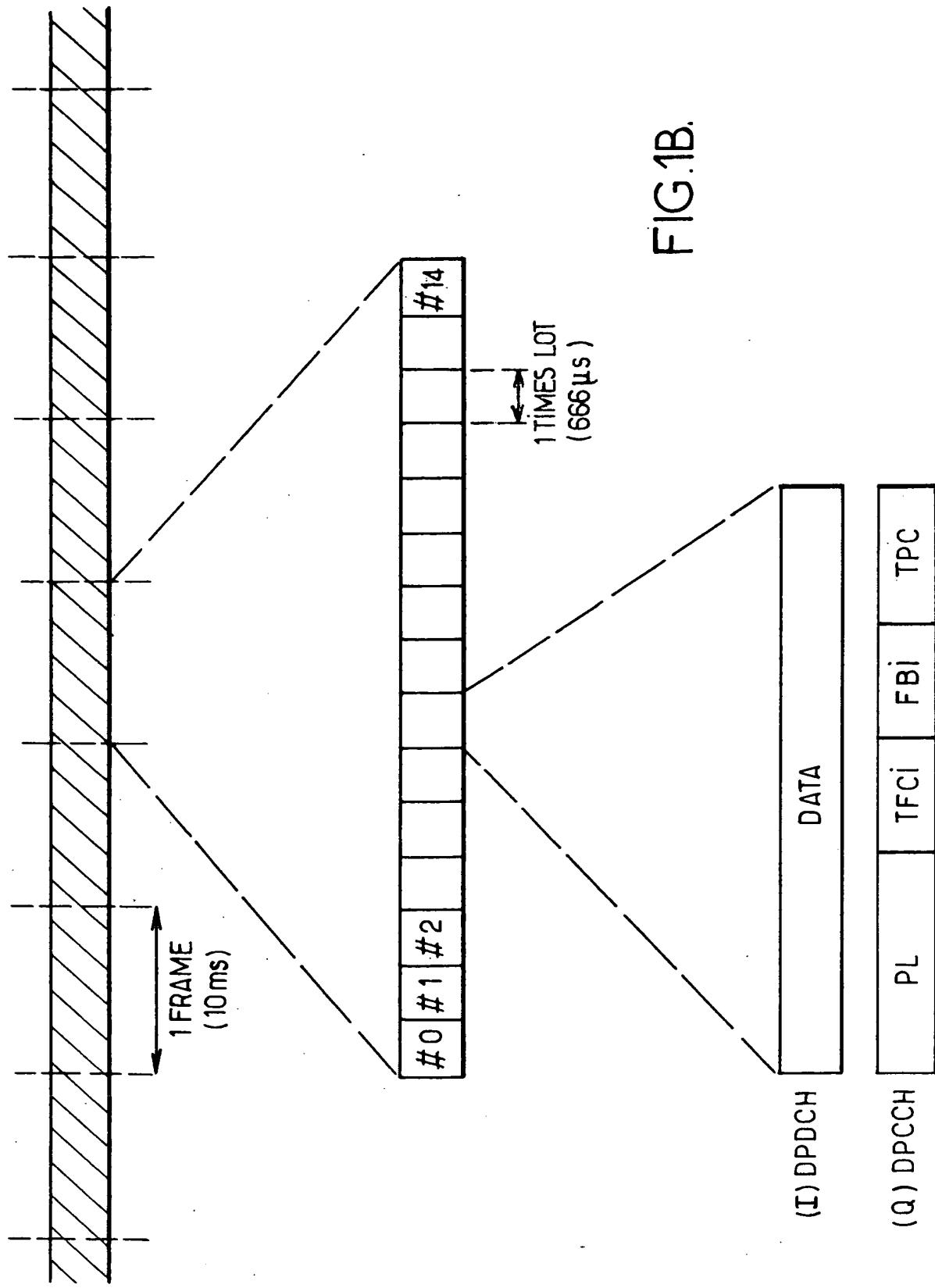
FIG.1A.



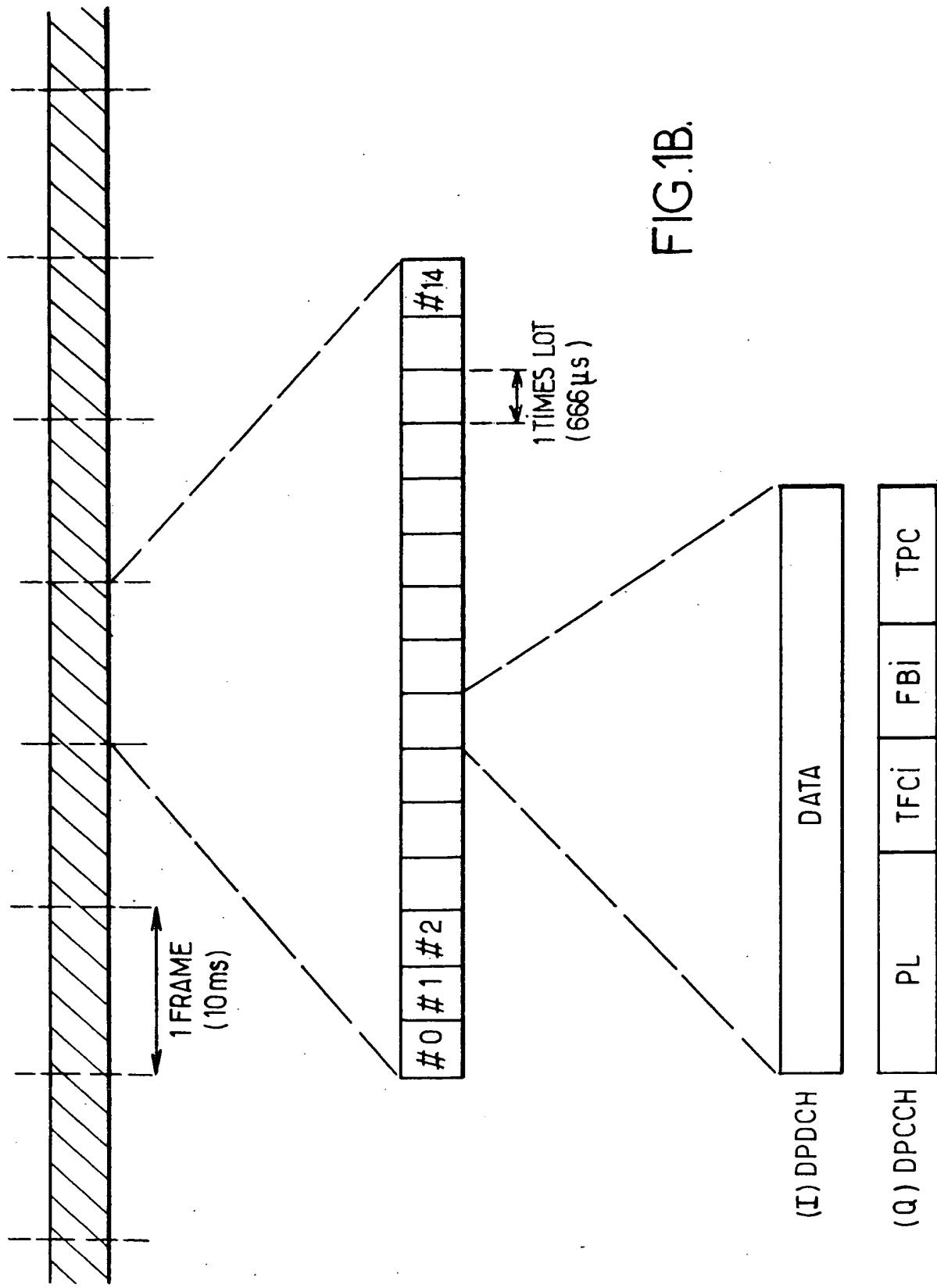
10/519930



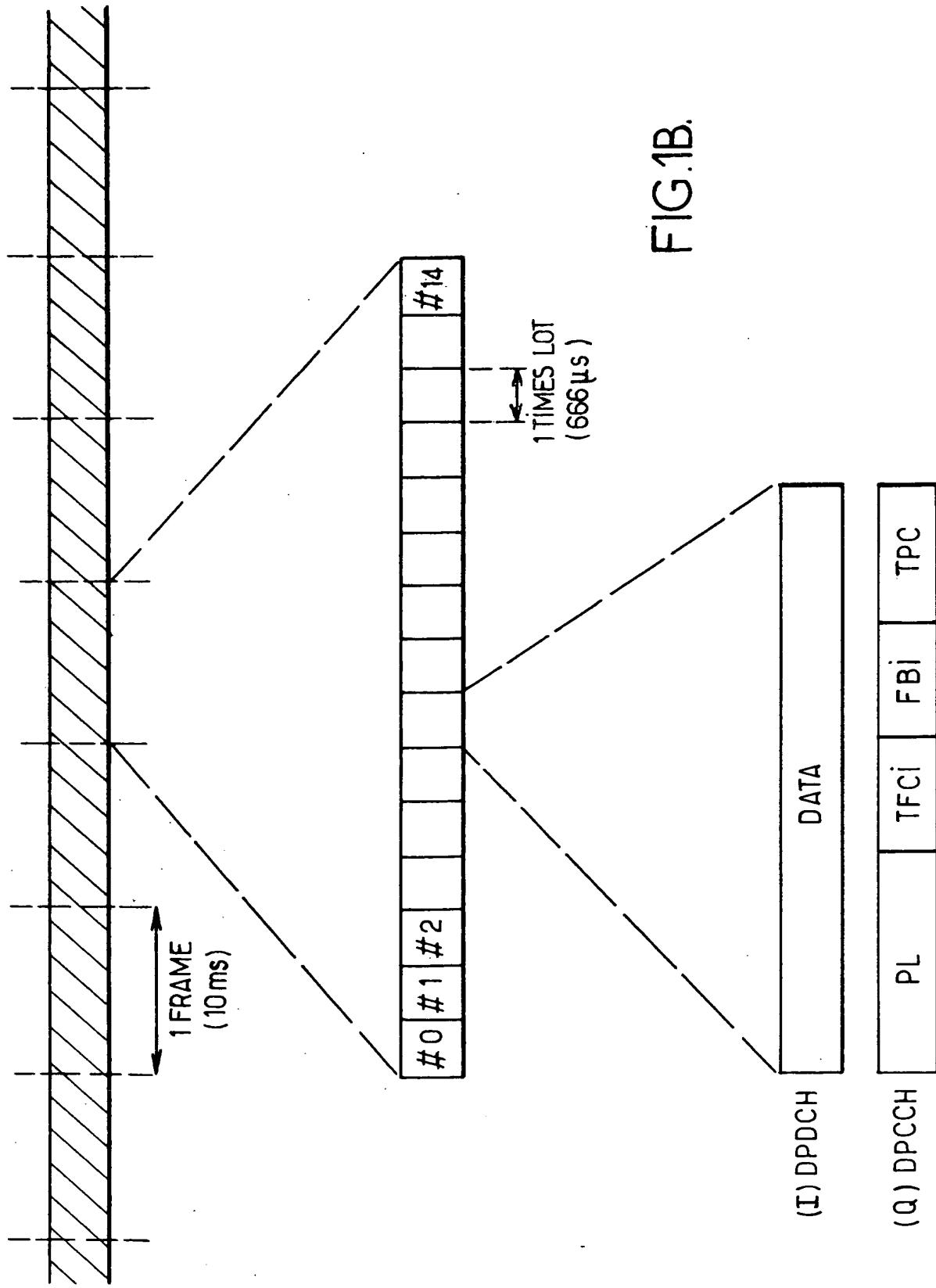
10/519930



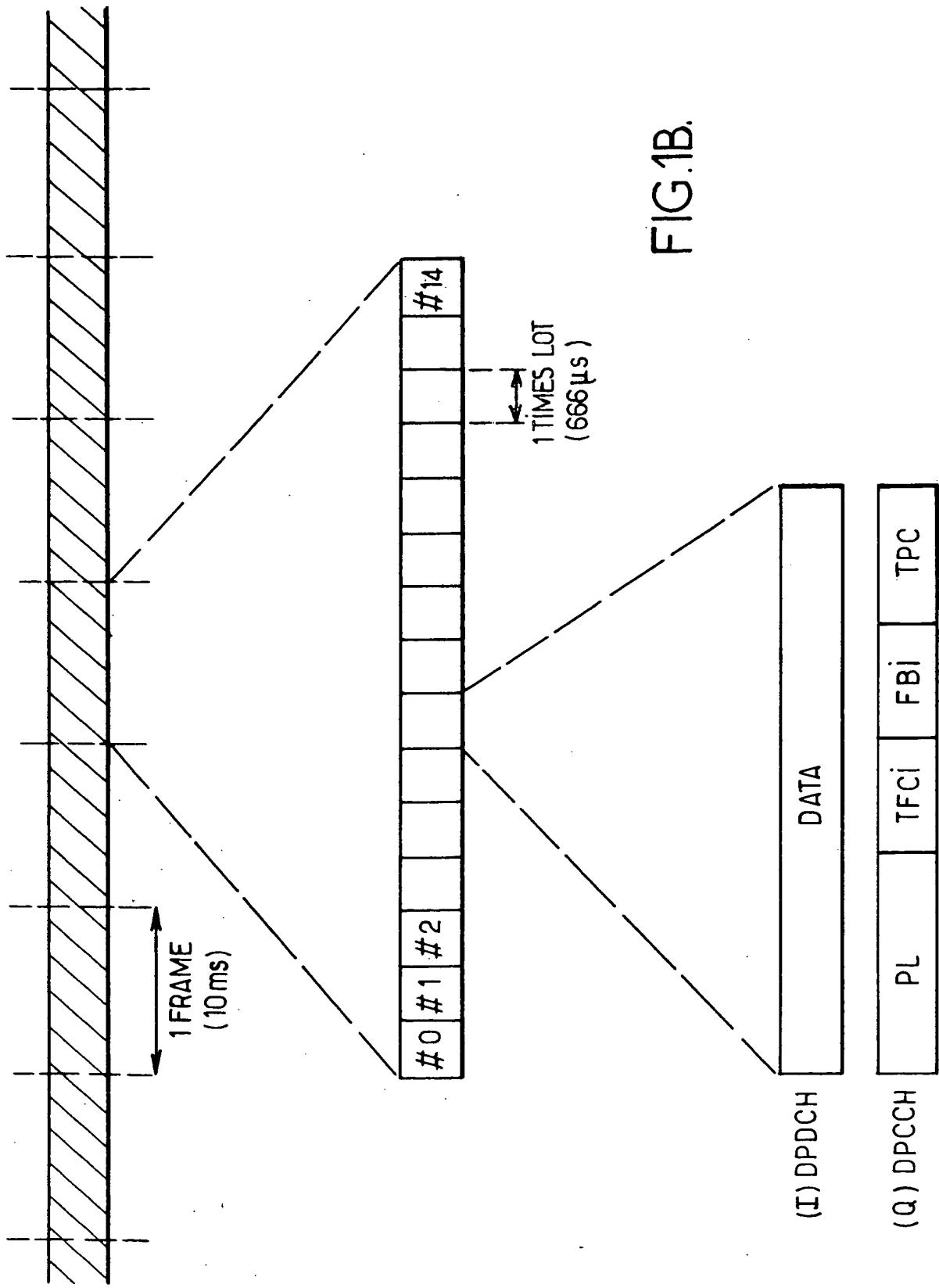
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10/519930

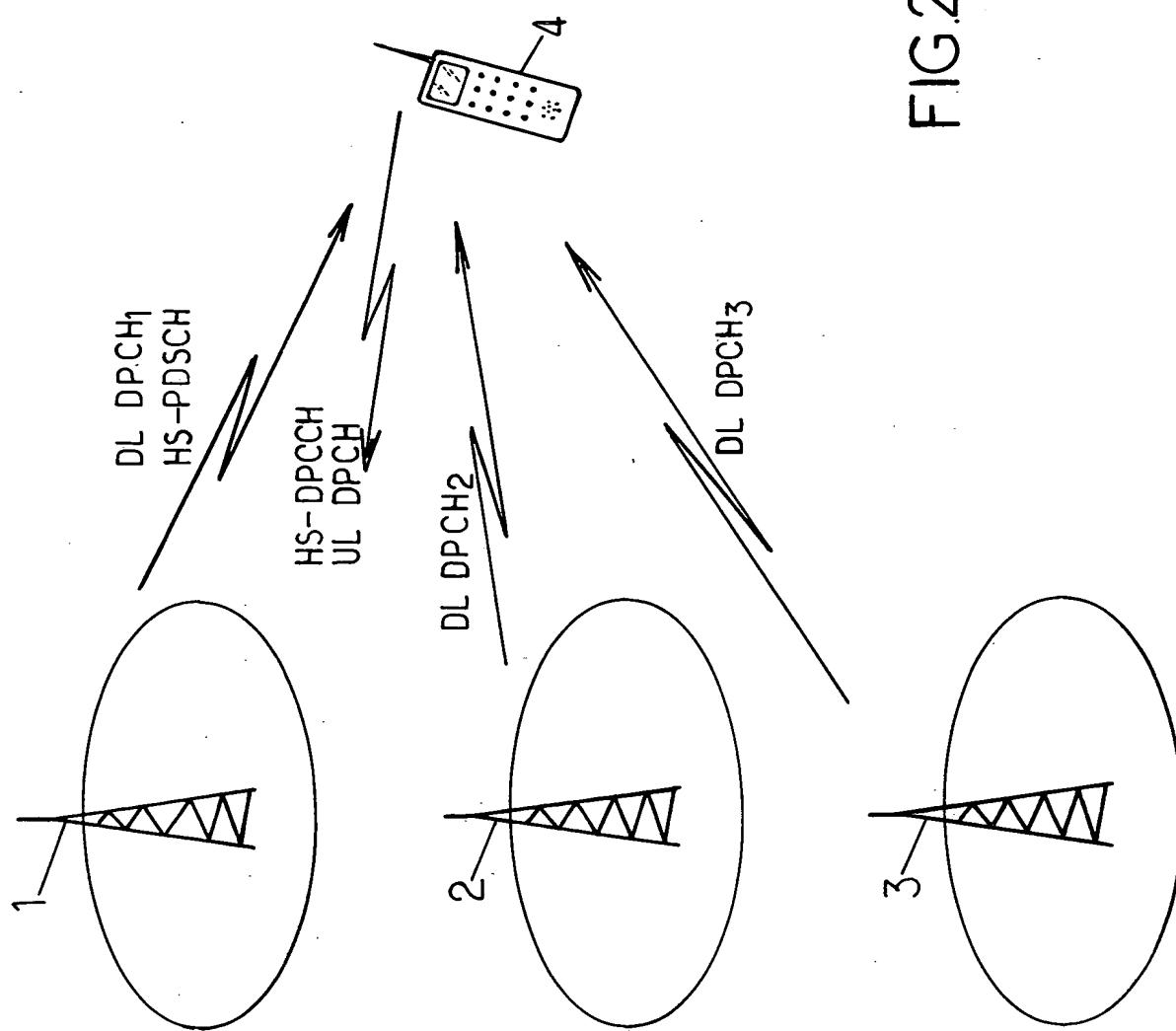


FIG.2

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FIG.2

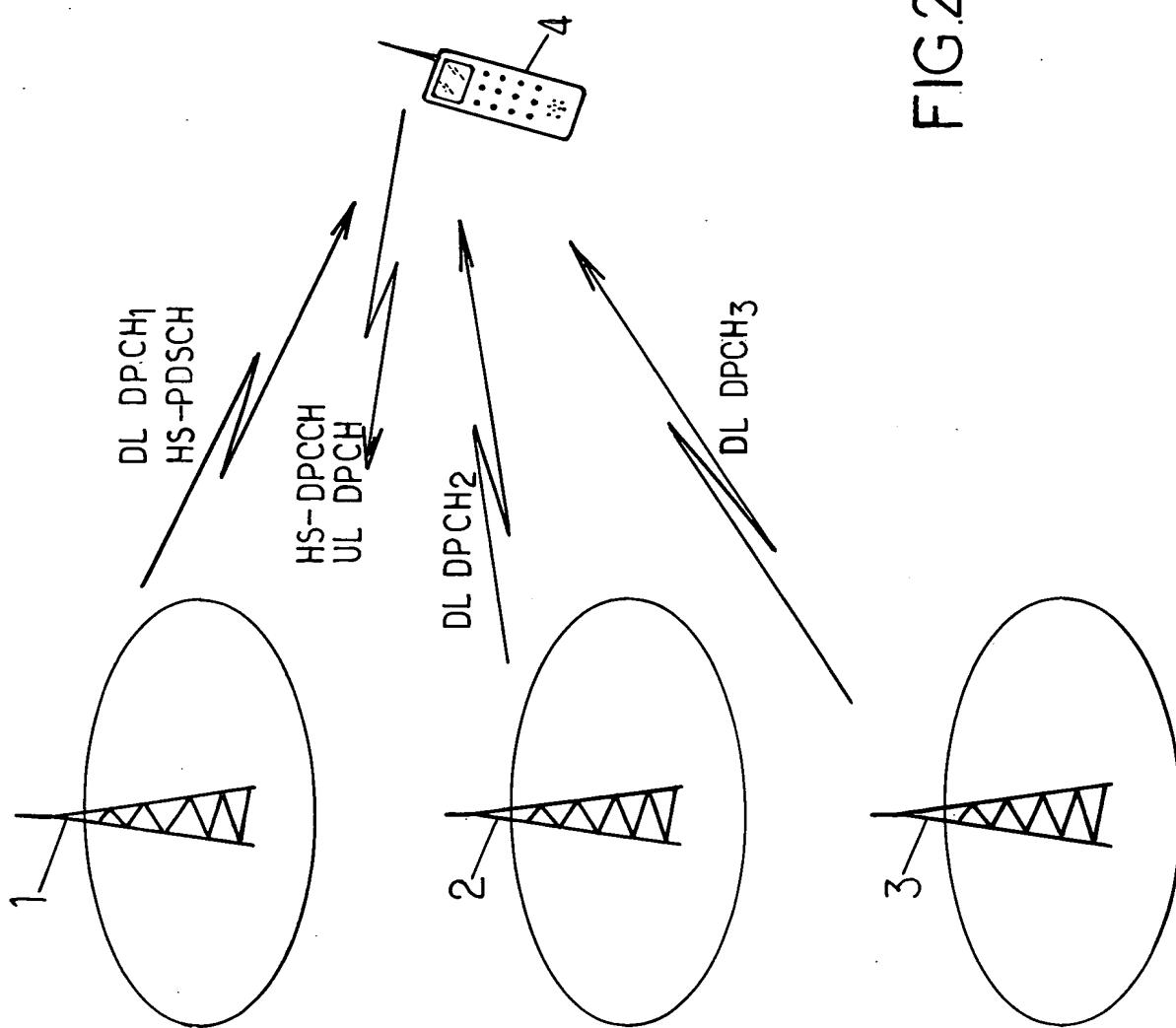
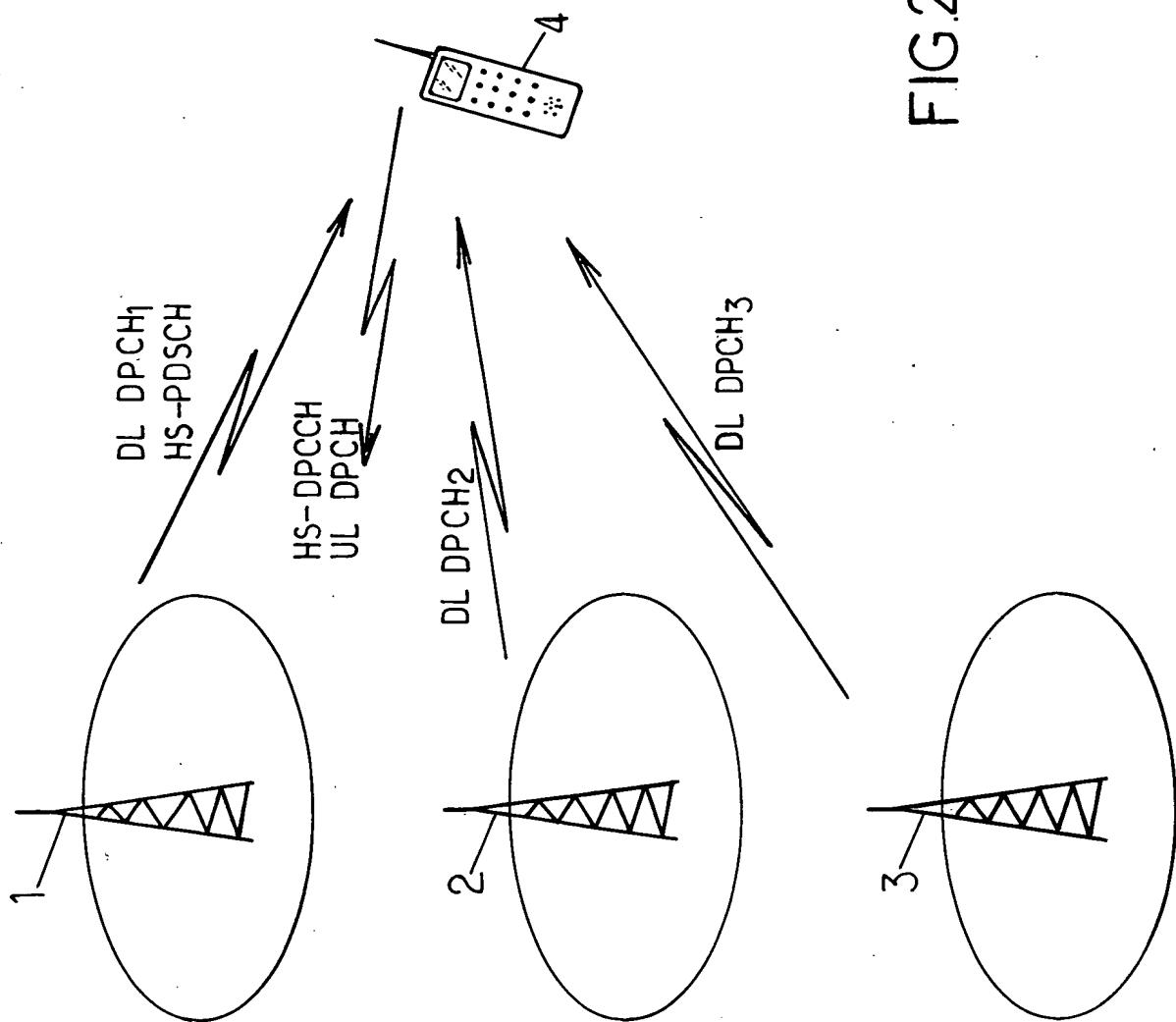


FIG.2



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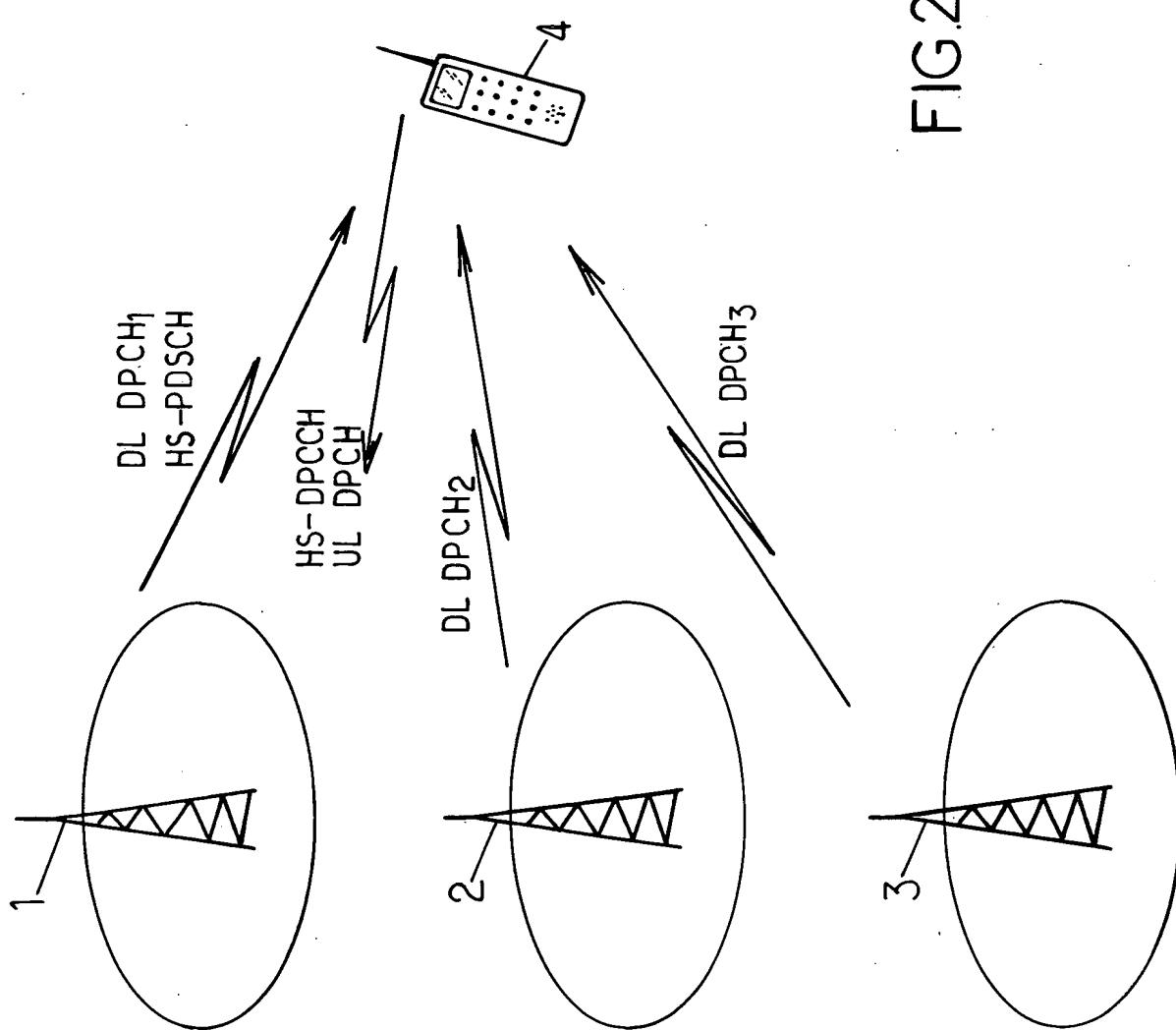
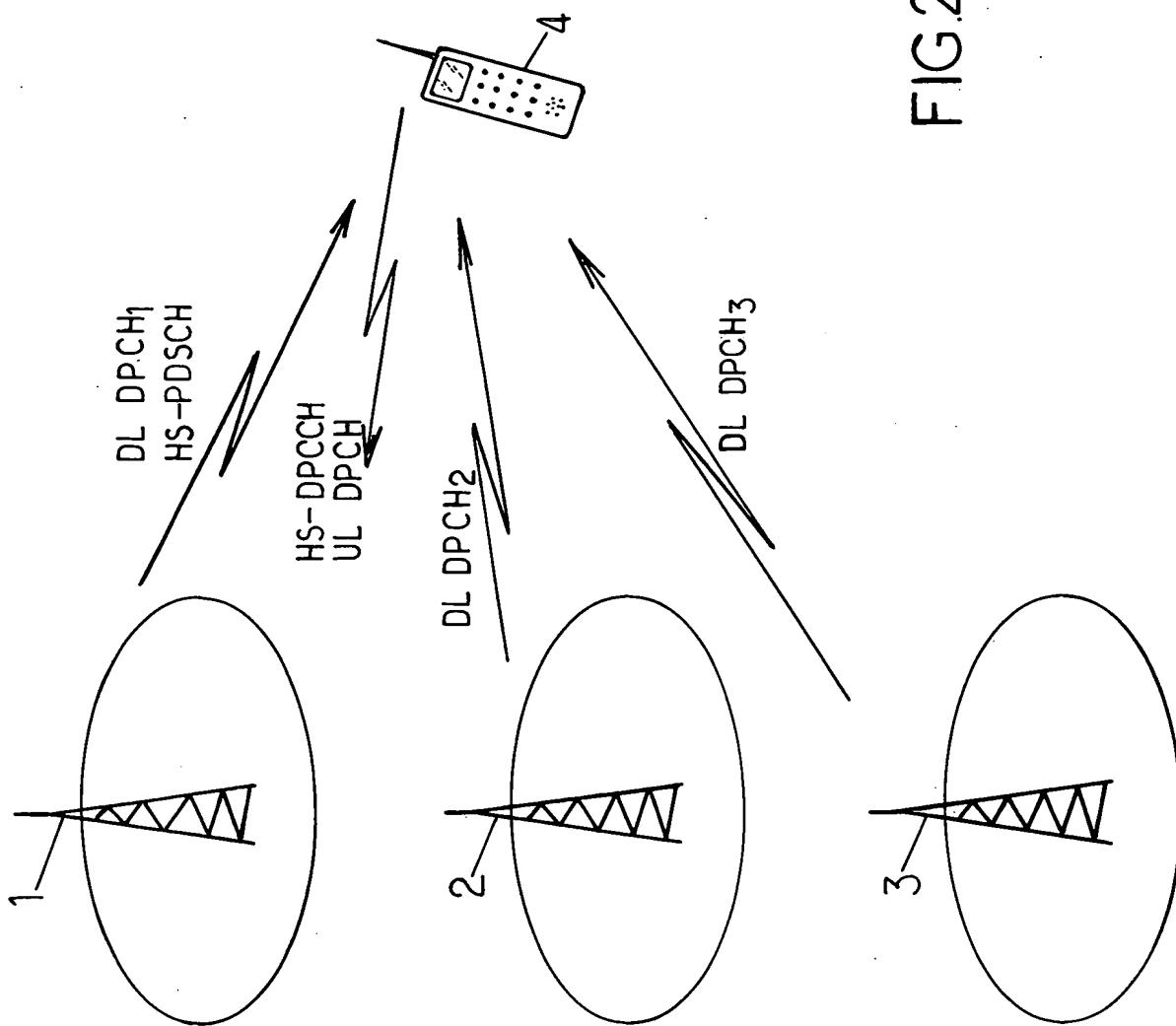


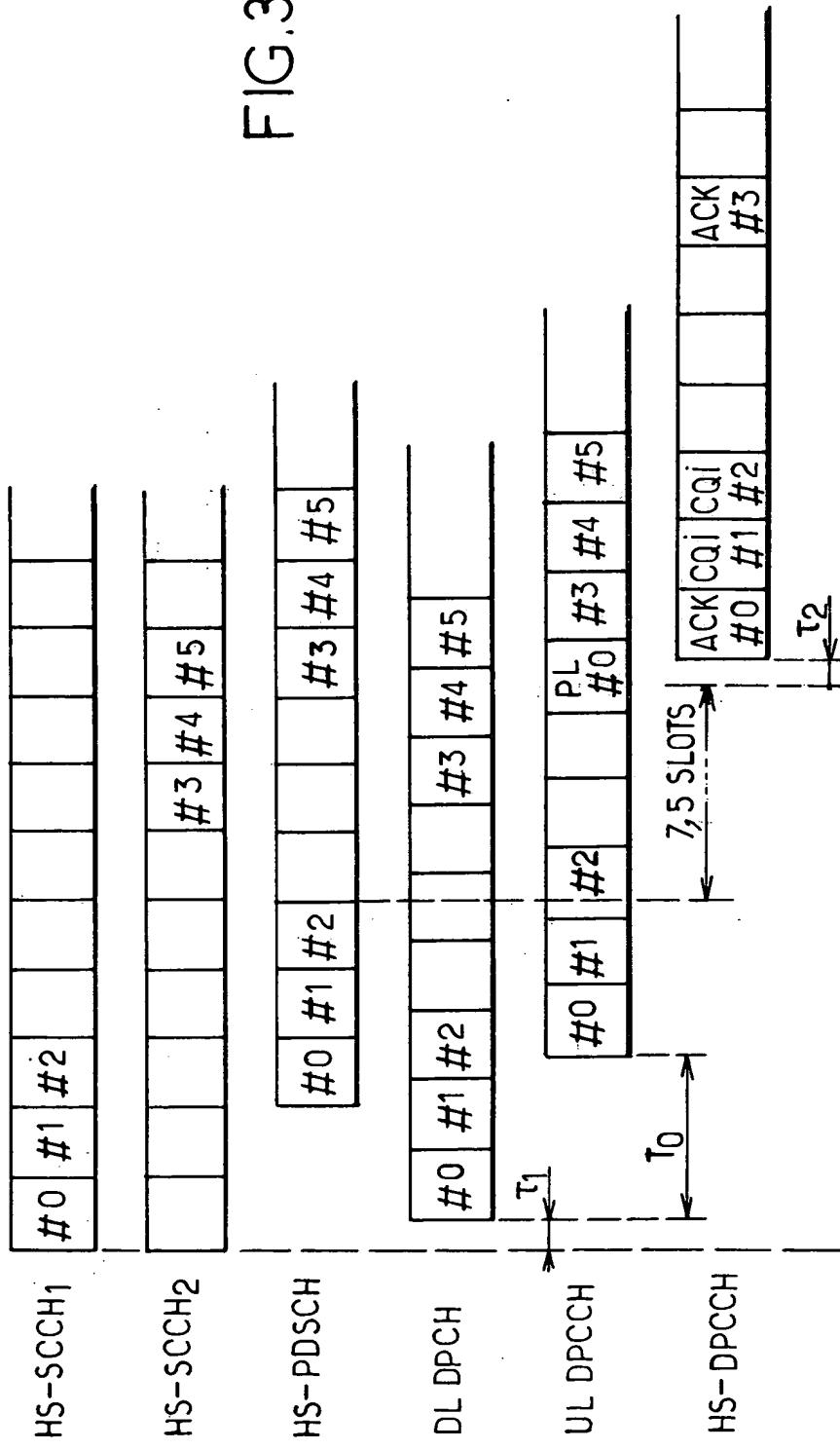
FIG.2

FIG.2



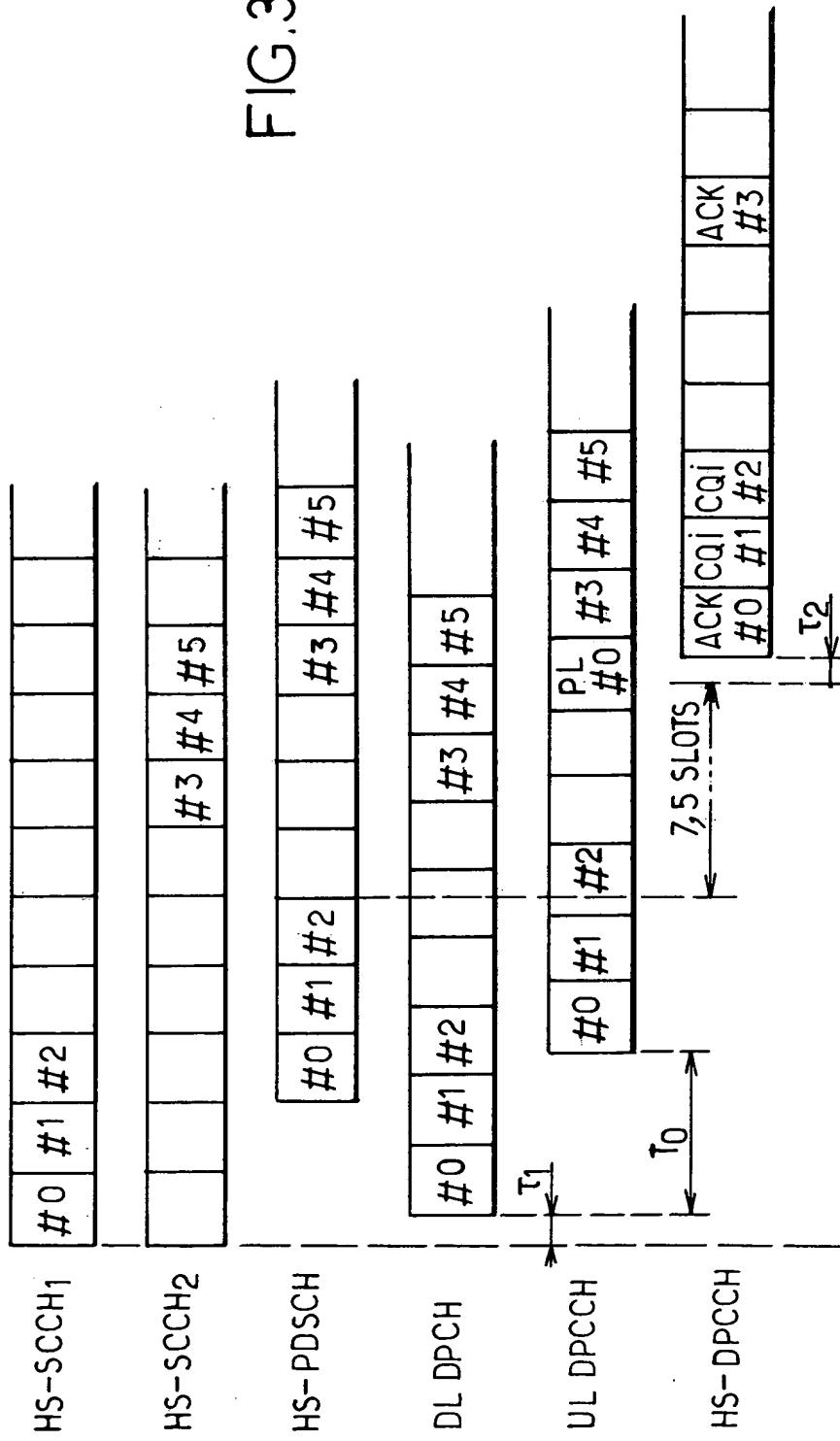
10/519930

FIG.3.



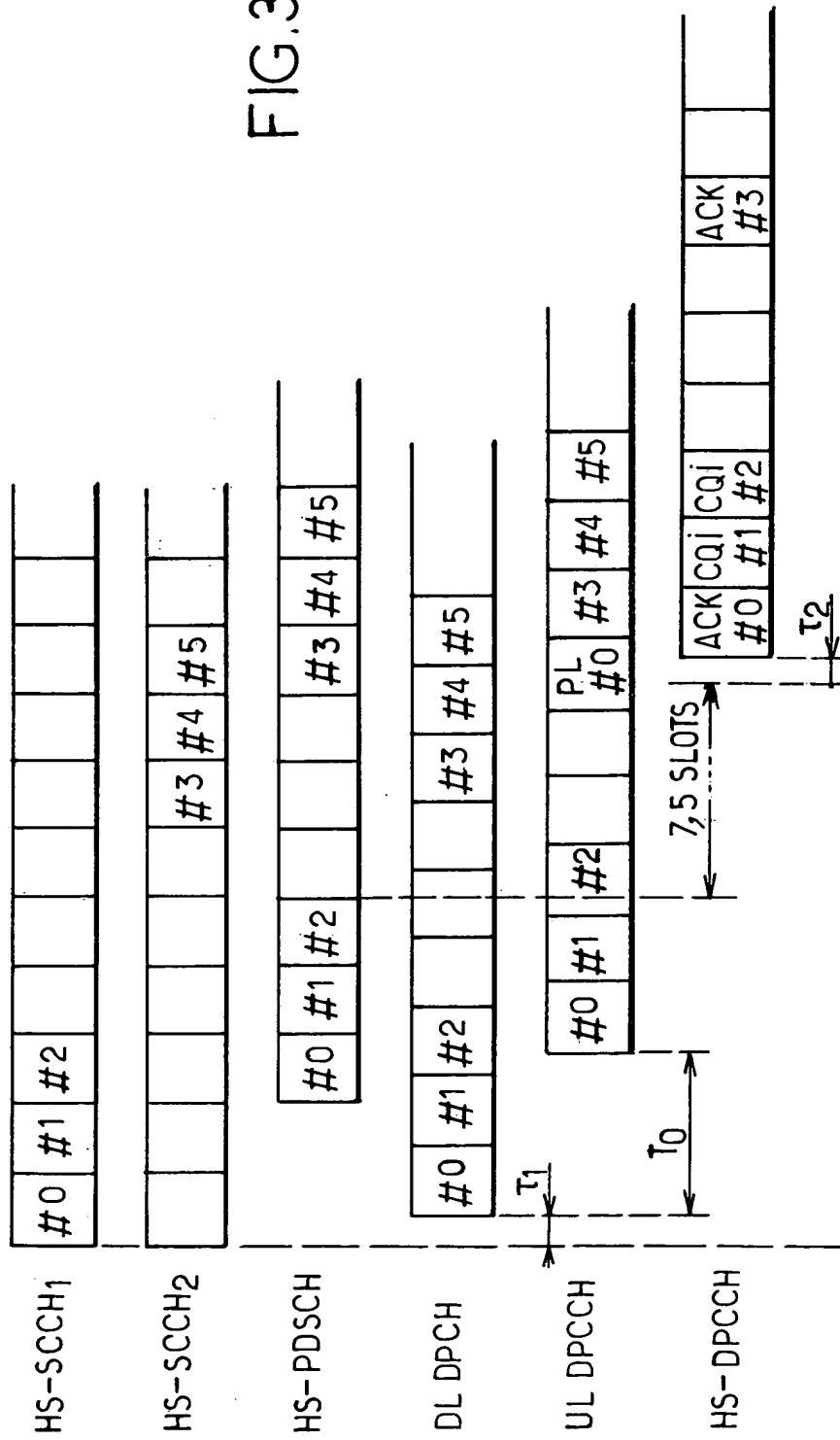
10/519930

FIG.3.



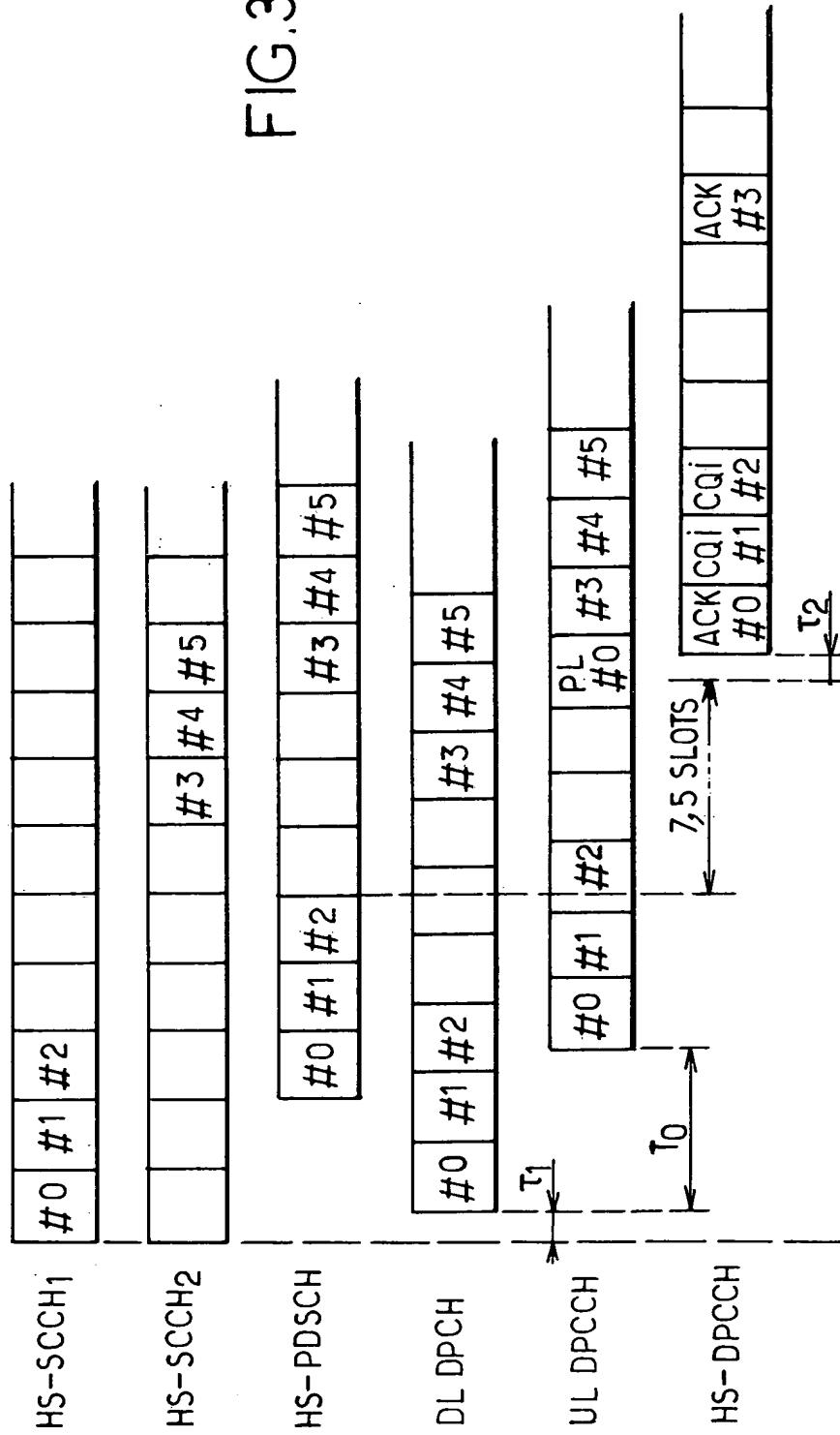
10/519930

FIG.3.



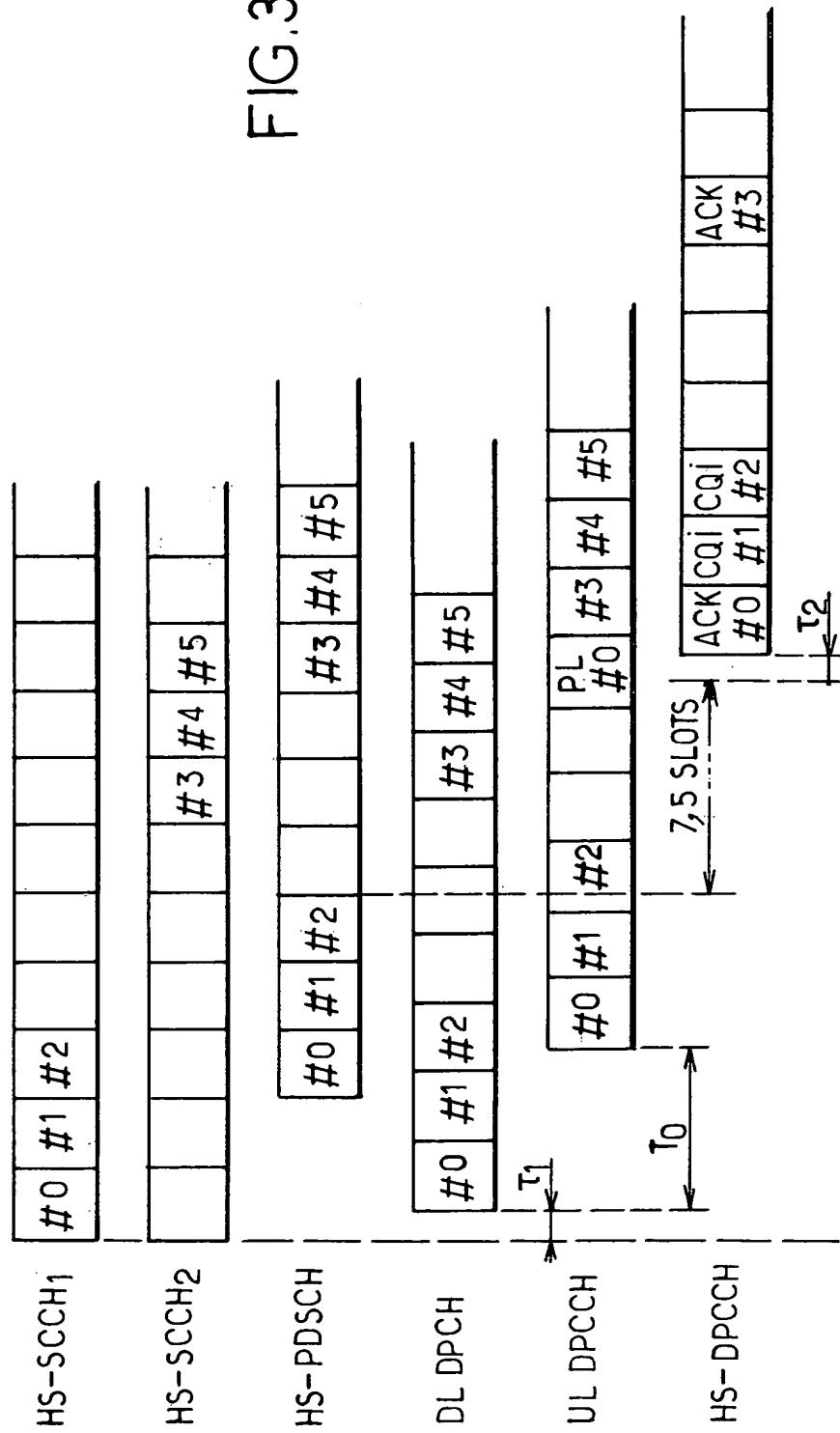
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FIG. 3.



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FIG.3.



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SB1	+	+	-	-	+ - + + + -	+ + -
SB2	-	+	-	+	- - + + + -	+ -
SB3	-	+	+	+	- + + + + + -	-
COMB	-	+	-	-	- - - + - -	-
RES	-	+	-	+	- - - + - -	+ -

ACK	CQI	CQI
HS-DPCCH #N		
ACK	CQI	CQI
HS-DPCCH #N+1		

FIG.4.

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FIG. 4.

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SB1	+	+	-	+ - + + + -	+	+	-
SB2	-	+	-	+ - - + + + -	-	+	-
SB3	-	+	+	- + + + + + -	-	+	-
COMB	-	+	-	+ - - - + -	-	+	-
RES	-	+	-	- + - - - + -	-	+	-
					+++		
						ACK	CQI
						CQI	CQI
						HS-DPCCH #N	HS-DPCCH #N+1

FIG.4.

SB1	+	+	-	<table border="1"> <tr><td>+</td><td>-</td><td>+</td><td>+</td><td>+</td><td>-</td></tr> </table>	+	-	+	+	+	-	+	+	-
+	-	+	+	+	-								
SB2	-	+	-	<table border="1"> <tr><td>+</td><td>+</td><td>-</td><td>-</td><td>+</td><td>+</td></tr> </table>	+	+	-	-	+	+	-	+	-
+	+	-	-	+	+								
SB3	-	+	+	<table border="1"> <tr><td>+</td><td>-</td><td>+</td><td>+</td><td>+</td><td>+</td></tr> </table>	+	-	+	+	+	+	-	+	-
+	-	+	+	+	+								
COMB	-	+	-	<table border="1"> <tr><td>+</td><td>-</td><td>-</td><td>-</td><td>+</td><td>-</td></tr> </table>	+	-	-	-	+	-	-	+	-
+	-	-	-	+	-								
RES	-	+	-	<table border="1"> <tr><td>+</td><td>-</td><td>-</td><td>-</td><td>-</td><td>+</td></tr> </table>	+	-	-	-	-	+	-	+	-
+	-	-	-	-	+								
				<table border="1"> <tr><td>+++</td><td></td><td></td><td></td><td></td><td></td></tr> </table>	+++								
+++													

ACK	CQI	CQI
HS-DPCCH #N		

HS-DPCCH #N+1

FIG.4.

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SB1	+	+	-	+ - + + + -	+ + -
SB2	-	+	-	+ + - - + +	- + -
SB3	-	+	+	- + + + + +	+ - -
COMB	-	+	-	+ - - - + -	-
RES	-	+	-	+ - - - + -	+ ++ -

ACK	CQI	CQI
HS-DPCCH #N		

HS-DPCCH #N+1

FIG.4.

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SB1	+ + -	+	-	+	+	-	+	+	-
SB2	- + -	+	-	-	+	+	-	+	-
SB3	- + +	+	-	+	+	+	+	-	-
COMB	- + -								
RES	- + -		++	-	+	+	+	-	-

ACK	CQI	CQI
HS-DPCCCH #N		

ACK	CQI	CQI	CQI	CQI
HS-DPCCCH #N+1				

FIG.5.

SB1	+ + -	- + + + +	- + + + +	- + + + +	- + + + +
SB2	- + -	+ - + + +	- + + + +	- + + + +	- + + + +
SB3	- + + + -	- + + + +	- + + + +	- + + + +	- + + + +
COMB	- + -				
RES	- + -	++	- + + +	- + + +	- + + +

ACK	CQI	CQI	ACK	CQI	CQI
-----	-----	-----	-----	-----	-----

HS-DPCCH #N

ACK	CQI
-----	-----

HS-DPCCH #N+1

FIG.5.

SB1	+ + -	+	-	+	+	+	-	+	+	-	-
SB2	- + -	+	+	-	-	+	-	-	-	-	-
SB3	- + +	+	-	+	+	+	+	+	+	-	-
COMB	- + -										
RES	- + -		++	-	+	+	+	-	-	-	-

ACK	CQI	CQI	ACK	CQI	CQI
-----	-----	-----	-----	-----	-----

HS-DPCCH #N+1

ACK	CQI
-----	-----

HS-DPCCH #N

FIG.5.

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SB1	+ + -	- + + + - - - -
SB2	- + -	+ - + + - + + + -
SB3	- + + + -	+ + + + + + + + -
COMB	- + -	- - - - - - - -
RES	- + -	++ - + + + + -

ACK	CQI	CQI	ACK	CQI	CQI
-----	-----	-----	-----	-----	-----

HS-DPCCH #N+1

ACK	CQI	CQI
-----	-----	-----

HS-DPCCH #N

FIG.5.

SB1	+ + -	- + + + -	- + + + + -	- + + + + + -
SB2	- + -	+ - + + -	+ + + + -	+ + + + + -
SB3	- + + + -	- + + + +	- + + + + +	- + + + + + +
COMB	- + -			
RES	- + -	++ -	+ + +	-

ACK	CQI	CQI	ACK	CQI	CQI
-----	-----	-----	-----	-----	-----

ACK	CQI
-----	-----

HS-DPCCH #N

HS-DPCCH #N+1

FIG.5.

FIG.6.

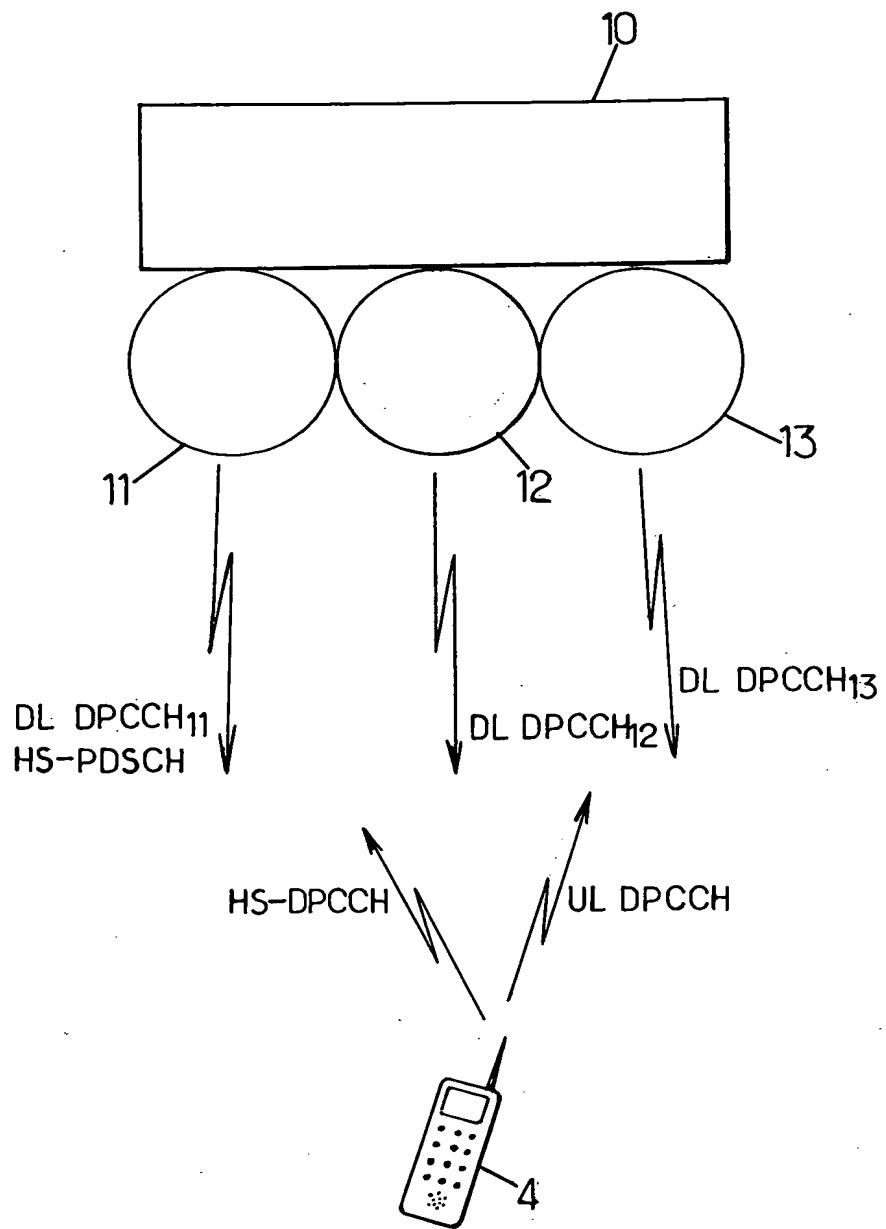


FIG.6.

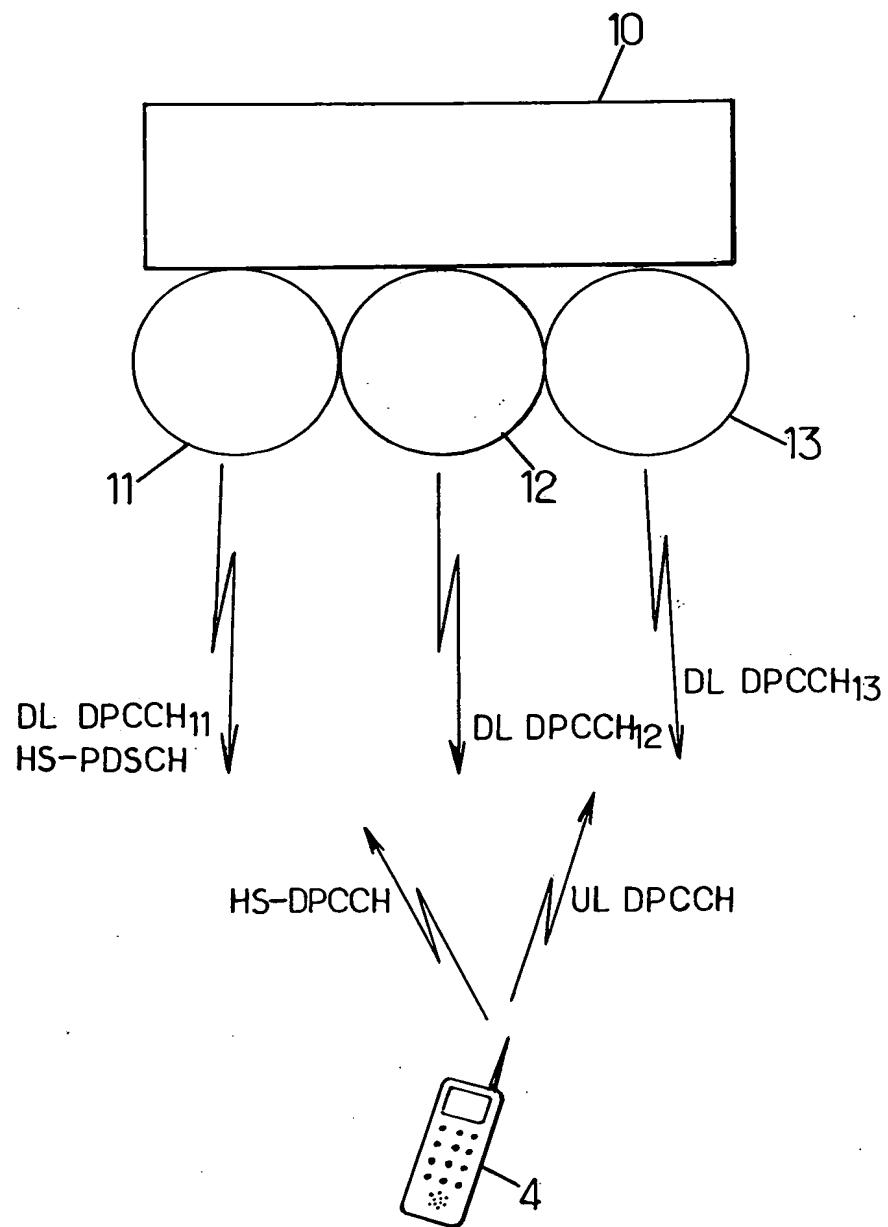


FIG.6.

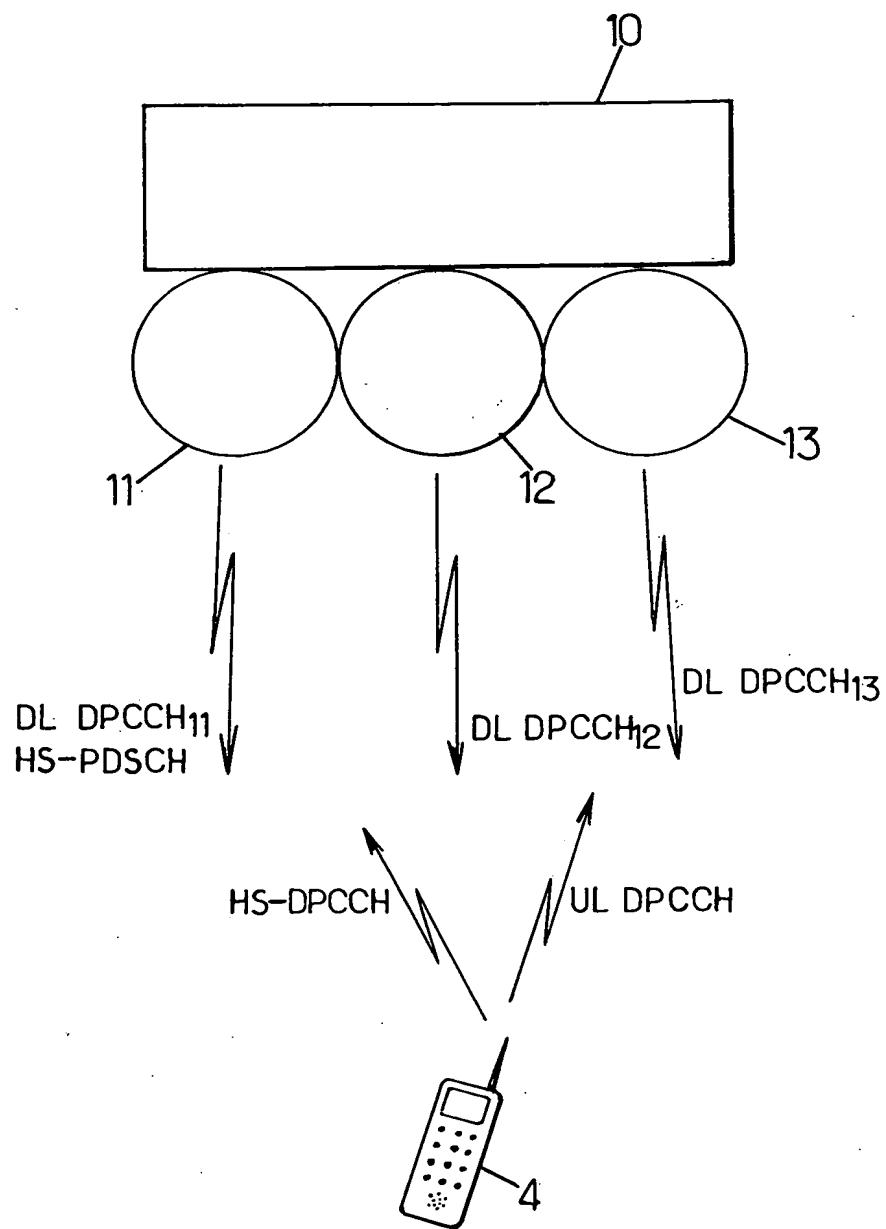


FIG.6.

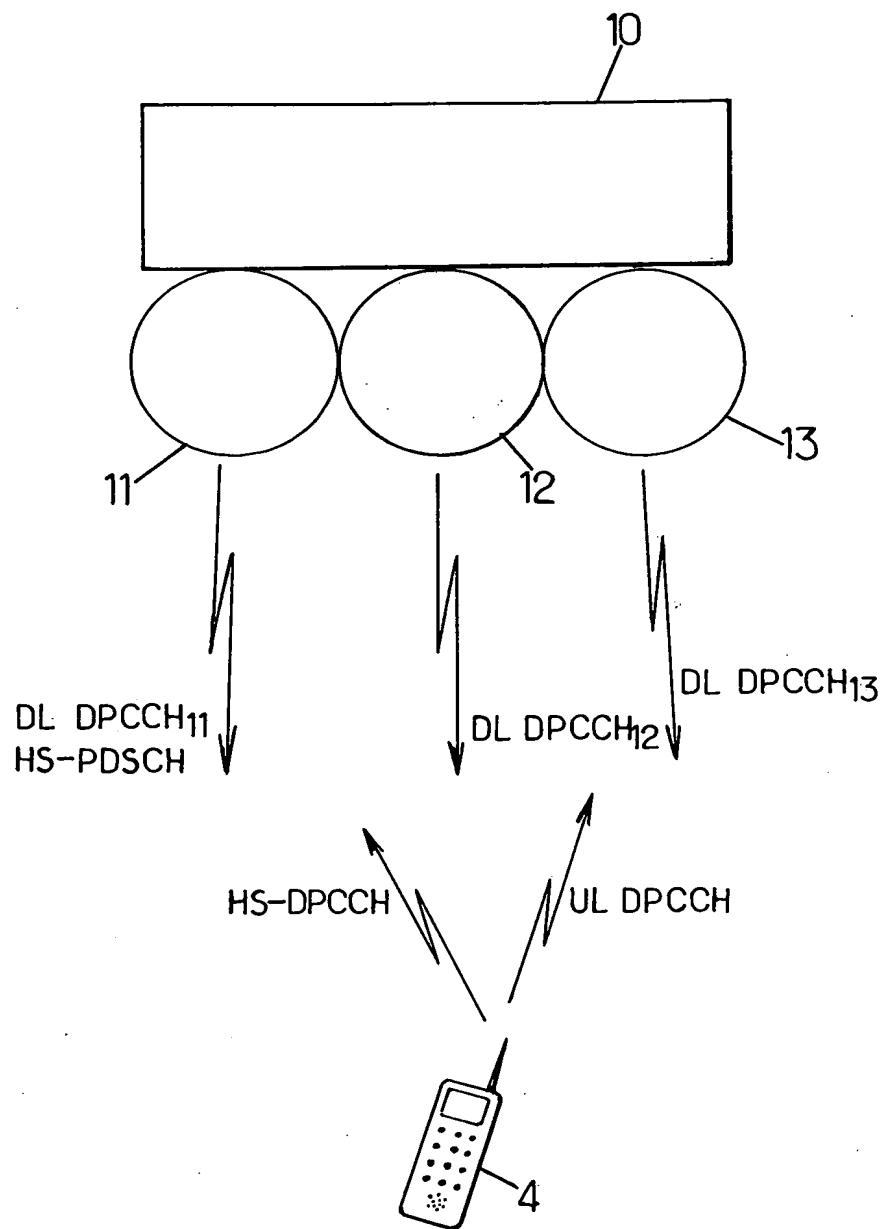


FIG.6.

